BRUHAT BANAGLORE MAHANAGARA PALIKE

Executive Engineer-Yelhanka Division

Detailed Estimate

**Name of Work:** Providing asphalting to roads and improvements to drains in AMS Layout , Dr Chandrappa Layout and bharathnagara in ward no. 03 Yelhanka Satellite town subdivision

Estimate Amount : 7500000.00

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | | | | CIVIL WORKS | | | | | |
| 1 | Removing BS Slab of drain and Stacking (Page No 25., I.No.5.32 of KPWD S.R 2015-16). | | | | | | | | |
| | | Sqm | | | | | | | |
| | COVER SLAB | | | | | | | | |
| | 1st A main from 7th cross to end road | | | | | | | | |
| | Ch: (0 - 58) | | | | | | | | |
| | Ch: (0 - 58) | L/s | 1 | 58 | 0.90 | | 52.20 | | |
| | Ch: (0 - 58) | R/s | 1 | 58 | 0.90 | | 52.20 | | |
| | 2nd main from Jellymission road | | | | | | | | |
| | Ch: (0 - 182) | L/s | 1 | 182 | 0.90 | | 163.80 | | |
| | Deuction for missing stretch ((41-77)+(127-182) - 91) | L/s | 1 | -91 | 0.90 | | -81.90 | | |
| | Ch: (0 - 182) | R/s | 1 | 182 | 0.90 | | 163.80 | | |
| | Deuction for missing stretch ((0-41)+(97-142)+(171-182) - 97) | R/s | 1 | -97 | 0.90 | | -87.30 | | |
| | 4th A main from Yelhanka Main road | | | | | | | | |
| | Ch: (0 - 440) | | | | | | | | |
| | Ch: (0 - 440) | L/s | 1 | 440 | 0.90 | | 396.00 | | |
| | Deuction for missing stretch ((72-82)+(108-118)+(154-163)+(163-183)+(191-201)+(303-325)+(400-407)+(425- | L/s | 1 | -103 | 0.90 | | -92.70 | | |
| | Ch: (0 - 440) | R/s | 1 | 440 | 0.90 | | 396.00 | | |
| | Deuction for missing stretch ((0-41)+(97-142)+(171-182) - 48) | R/s | 1 | -48 | 0.90 | | -43.20 | | |
| | 5th A main from 7th cross to yelhanka main road | | | | | | | | |
| | Ch: (0 - 315) | | | | | | | | |
| | Ch: (0 - 315) | L/s | 1 | 315 | 0.90 | | 283.50 | | |
| | Deuction for missing stretch ((0-15)+(34-44)+(154-162)+(277-295) - 51) | L/s | 1 | -51 | 0.90 | | -45.90 | | |
| | Ch: (0 - 315) | R/s | 1 | 315 | 0.90 | | 283.50 | | |
| | Deuction for missing stretch ((0-34)+(154-162)+(230-295) - 107) | R/s | 1 | -107 | 0.90 | | -96.30 | | |
| | 6th A main from yelhanka main road | | | | | | | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: (0 - 315) | | | | | | | | |
| | Ch: (0 - 315) | L/s | 1 | 315 | 0.90 | | 283.50 | | |
| | Deuction for missing stretch ((100-143)+(143-152)+(191-315) - 176) | L/s | 1 | -176 | 0.90 | | -158.40 | | |
| | Ch: (0 - 315) | R/s | 1 | 315 | 0.90 | | 283.50 | | |
| | Deuction for missing stretch ((143-152)+(152-163)+(191-315) - 144) | R/s | 1 | -144 | 0.90 | | -129.60 | | |
| | Barathi cement shop from MS palya road | | | | | | | | |
| | Ch: (0 - 225) | | | | | | | | |
| | Ch: (0 - 225) | L/s | 1 | 225 | 0.90 | | 202.50 | | |
| | Deuction for missing stretch (130 - 130) | L/s | 1 | -130 | 0.90 | | -117.00 | | |
| | Ch: (0 - 30) | R/s | 1 | 30 | 0.90 | | 27.00 | | |
| | Laxmi automobile shop road to Ms palya road | | | | | | | | |
| | Ch: (0 - 132) | | | | | | | | |
| | Ch: (0 - 132) | L/s | 1 | 132 | 0.90 | | 118.80 | | |
| | Deuction for missing stretch ((29-60)+(78-83)+(110-132) - 58) | L/s | 1 | -58 | 0.90 | | -52.20 | | |
| | | | | | | | 1801.80 | 63.72 | 114810.70 |
| 2 | Refixing Stone Slabs of drains and Pointing in C.M(1:3) (Page No 25., I.No.5.33 of KPWD S.R 2015-16). | | | | | | | | |
| | | Sqm | | | | | | | |
| | COVER SLAB | | | | | | | | |
| | 1st A main from 7th cross to end road | | | | | | | | |
| | Ch: (0 - 58) | | | | | | | | |
| | Ch: (0 - 58) | L/s | 1 | 58 | 0.90 | | 52.20 | | |
| | Ch: (0 - 58) | R/s | 1 | 58 | 0.90 | | 52.20 | | |
| | 2nd main from Jellymission road | | | | | | | | |
| | Ch: (0 - 182) | L/s | 1 | 182 | 0.90 | | 163.80 | | |
| | Deuction for missing stretch ((41-77)+(127-182) - 91) | L/s | 1 | -91 | 0.90 | | -81.90 | | |
| | Ch: (0 - 182) | R/s | 1 | 182 | 0.90 | | 163.80 | | |
| | Deuction for missing stretch ((0-41)+(97-142)+(171-182) - 97) | R/s | 1 | -97 | 0.90 | | -87.30 | | |
| | 4th A main from Yelhanka Main road | | | | | | | | |
| | Ch: (0 - 440) | | | | | | | | |
| | Ch: (0 - 440) | L/s | 1 | 440 | 0.90 | | 396.00 | | |
| | Deuction for missing stretch ((72-82)+(108-118)+(154-163)+(163-183)+(191-201)+(303-325)+(400-407)+(425- | L/s | 1 | -103 | 0.90 | | -92.70 | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: (0 - 440) | R/s | 1 | 440 | 0.90 | | 396.00 | | |
| | *Deuction for missing stretch ((82-91)+(154-163)+(191-201)+(325-338)+(400-407) - 48)* | R/s | 1 | -48 | 0.90 | | -43.20 | | |
| | 5th A main from 7th cross to yelhanka main road | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |
| | Ch: (0 - 315) | L/s | 1 | 315 | 0.90 | | 283.50 | | |
| | *Deuction for missing stretch ((0-15)+(34-44)+(154-162)+(277-295) - 51)* | L/s | 1 | -51 | 0.90 | | -45.90 | | |
| | Ch: (0 - 315) | R/s | 1 | 315 | 0.90 | | 283.50 | | |
| | *Deuction for missing stretch ((0-34)+(154-162)+(230-295) - 107)* | R/s | 1 | -107 | 0.90 | | -96.30 | | |
| | 6th A main from yelhanka main road | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |
| | Ch: (0 - 315) | L/s | 1 | 315 | 0.90 | | 283.50 | | |
| | *Deuction for missing stretch ((100-143)+(143-152)+(191-315) - 176)* | L/s | 1 | -176 | 0.90 | | -158.40 | | |
| | Ch: (0 - 315) | R/s | 1 | 315 | 0.90 | | 283.50 | | |
| | *Deuction for missing stretch ((143-152)+(152-163)+(191-315) - 144)* | R/s | 1 | -144 | 0.90 | | -129.60 | | |
| | Barathi cement shop from MS palya road | | | | | | | | |
| | *Ch: (0 - 225)* | | | | | | | | |
| | Ch: (0 - 225) | L/s | 1 | 225 | 0.90 | | 202.50 | | |
| | *Deuction for missing stretch (130 - 130)* | L/s | 1 | -130 | 0.90 | | -117.00 | | |
| | Ch: (0 - 30) | R/s | 1 | 30 | 0.90 | | 27.00 | | |
| | Laxmi automobile shop road to Ms palya road | | | | | | | | |
| | *Ch: (0 - 132)* | | | | | | | | |
| | Ch: (0 - 132) | L/s | 1 | 132 | 0.90 | | 118.80 | | |
| | *Deuction for missing stretch ((29-60)+(78-83)+(110-132) - 58)* | L/s | 1 | -58 | 0.90 | | -52.20 | | |
| | | | | | | | **1801.80** | | |
| | Deduction for damaged 10% | | | | | | -180.18 | | |
| | | | | | | | **1621.62** | **78.84** | **127848.52** |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| 3 | KSRRB 300-1. **Earthwork excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(Page No141., I.No.19.1 of KPWD S.R 2015-16).** | | | | | | | | |
| | | Cum | | | | | | | |
| | **New drain** | | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 58)* | B/s | 2 | 58 | 1.20 | 0.900 | 125.28 | | |
| | **Desilting** | | | | | | | | |
| | **1st A main from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 58)* | | | | | | | | |
| | *Ch: (0 - 58)* | L/s | 1 | 58 | 0.60 | 0.600 | 20.88 | | |
| | *Ch: (0 - 58)* | R/s | 1 | 58 | 0.60 | 0.600 | 20.88 | | |
| | **2nd main from Jellymission road** | | | | | | | | |
| | **Ch: (0 - 182)** | L/s | 1 | 182 | 0.60 | 0.600 | 65.52 | | |
| | *Deuction for missing stretch ((41-77) - 36)* | L/s | 1 | -36 | 0.60 | 0.600 | -12.96 | | |
| | **Ch: (0 - 182)** | R/s | 1 | 182 | 0.60 | 0.600 | 65.52 | | |
| | *Deuction for missing stretch ((0-41)+(171-182) - 52)* | R/s | 1 | -52 | 0.60 | 0.600 | -18.72 | | |
| | **4th A main from Yelhanka Main road** | | | | | | | | |
| | *Ch: (0 - 440)* | | | | | | | | |
| | **Ch: (0 - 440)** | L/s | 1 | 440 | 0.60 | 0.700 | 184.80 | | |
| | *Deuction for missing stretch ((154-163)+(163-183) - 29)* | L/s | 1 | -29 | 0.60 | 0.700 | -12.18 | | |
| | **Ch: (0 - 440)** | R/s | 1 | 440 | 0.60 | 0.700 | 184.80 | | |
| | *Deuction for missing stretch ((154-163)+(325-338) - 22)* | R/s | 1 | -22 | 0.60 | 0.700 | -9.24 | | |
| | **5th A main from 7th cross to yelhanka main road** | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |
| | **Ch: (0 - 315)** | L/s | 1 | 315 | 0.60 | 0.600 | 113.40 | | |
| | *Deuction for missing stretch ((154-162) - 8)* | L/s | 1 | -8 | 0.60 | 0.600 | -2.88 | | |
| | **Ch: (0 - 315)** | R/s | 1 | 315 | 0.60 | 0.600 | 113.40 | | |
| | *Deuction for missing stretch ((154-162) - 8)* | R/s | 1 | -8 | 0.60 | 0.600 | -2.88 | | |
| | **6th A main from yelhanka main road** | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |
| | **Ch: (0 - 315)** | L/s | 1 | 315 | 0.60 | 0.600 | 113.40 | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | *Deuction for missing stretch ((143-152) - 9)* | L/s | 1 | -9 | 0.60 | 0.600 | -3.24 | | |
| | Ch: (0 - 315) | R/s | 1 | 315 | 0.60 | 0.600 | 113.40 | | |
| | *Deuction for missing stretch ((143-152) - 9)* | R/s | 1 | -9 | 0.60 | 0.600 | -3.24 | | |
| | Barathi cement shop from MS palya road | | | | | | | | |
| | *Ch: (0 - 225)* | | | | | | | | |
| | Ch: (0 - 225) | L/s | 1 | 225 | 0.60 | 0.600 | 81.00 | | |
| | *Deuction for missing stretch (30 - 30)* | L/s | 1 | -30 | 0.60 | 0.600 | -10.80 | | |
| | Ch: (0 - 30) | R/s | 1 | 30 | 0.60 | 0.600 | 10.80 | | |
| | Laxmi automobile shop road to Ms palya road | | | | | | | | |
| | *Ch: (0 - 132)* | | | | | | | | |
| | Ch: (0 - 132) | L/s | 1 | 132 | 0.60 | 0.600 | 47.52 | | |
| | | | | | | | **1184.46** | **177.88** | **210691.74** |
| 4 | KSRB 4-1.2 : Providing and laying in **position plain cement concrete of mix1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 **(Page No 12., I.No.4.2 of KPWD S.R 2015-16).** | | | | | | | | |
| | | Cum | | | | | | | |
| | New drain | | | | | | | | |
| | Regency public school from 7th cross to end road | | | | | | | | |
| | *Ch: (0 - 58)* | B/s | 2 | 58 | 0.90 | 0.100 | 10.44 | | |
| | | | | | | | **10.44** | **5236.92** | **54673.44** |
| 5 | Providing and laying Plain /reinforced cement concrete **M20** for Box drain walls of thickness 10cm to 20cm including centring shuttering for work etc. complete as per approved drawing and design MORTH specification No.1500,1700,2200 **(Page No258., I.No.37.59.2 of KPWD S.R 2015-16).** | | | | | | | | |
| | | Cum | | | | | | | |
| | Raft | | | | | | | | |
| | New drain | | | | | | | | |
| | Regency public school from 7th cross to end road | | | | | | | | |
| | *Ch: (0 - 58)* | B/s | 2 | 58 | 0.90 | 0.150 | 15.66 | | |
| | Wall | | | | | | | | |
| | New drain | | | | | | | | |
| | Regency public school from 7th cross to end road | | | | | | | | |
| | *Ch: (0 - 58)* | B/s | 5 | 58 | 0.15 | 0.900 | 39.15 | | |
| | | | | | | | **54.81** | **6931.44** | **379912.23** |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| 6 | KSRB 4.9.2 : Providing **T .M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500 **(Page No 17., I.No.4.46.2 of KPWD S.R 2015-16).** | | | | | | | | |
| | | **Tonne** | | | | | | | |
| | **Taking 60kg/m3** | | | | | | | | |
| | | | | 54.81*60/1000 | | | 3.29 | | |
| | | | | | | | **3.29** | **69805.80** | **229563.35** |
| 7 | Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate | | | | | | | | |
| | | **Sqm** | | | | | | | |
| | **New drain** | | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | ***Ch: (0 - 58)*** | B/s | 2 | 58 | 0.90 | | 104.40 | | |
| | | | | | | | **104.40** | **1834.00** | **191469.60** |
| 8 | Providing and fixing **pre cast solid cement concrete kerb stones** made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork,curing,including cost of all materials, labour, hire charges of machinery, loading,unloading, lead and lift, transportation etc., complete. **(Page No 25., I.No.5.30 of KPWD S.R 2015-16).** | | | | | | | | |
| | | **Nos** | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | ***Ch: (0 - 58)*** | B/s | 2 | 58 | | | 258.00 | | |
| | | | | | | | **258.00** | **320.76** | **82756.08** |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | **ROAD WORKS** | | | | | | | | |
| 9 | KSRRB M300-14. **Excavation for roadwork in all type of soil with hydraulic excavator** of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 **(Page No 142., I.No.19.14 of KPWD S.R 2015-16).** | | | | | | | | |
| | | **Cum** | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 58)* | | 1 | 58 | 5.00 | 0.425 | 123.25 | | |
| | **1st A main from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 69)* | | | | | | | | |
| | *Ch: (0 - 17)* | | 1 | 17 | 9.40 | 0.425 | 67.92 | | |
| | *Ch: (24 - 58)* | | 1 | 34 | 10.00 | 0.425 | 144.50 | | |
| | | | 1 | 20 | 5.00 | 0.425 | 42.50 | | |
| | **2nd main from Jellymission road** | | | | | | | | |
| | *Ch: (0 - 182)* | | | | | | | | |
| | **Ch: (0 - 78)** | | 1 | 78 | 6.00 | 0.425 | 198.90 | | |
| | **Ch: (78 - 171)** | | 1 | 93 | 4.00 | | | | |
| | **Ch: (171 - 182)** | | 1 | 11 | 5.00 | 0.425 | 23.38 | | |
| | **6th A main from yelhanka main road** | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |
| | **Ch: (0 - 143)** | | 1 | 143 | 2.25 | 0.425 | 136.74 | | |
| | | | | | | | **737.18** | **143.32** | **105653.18** |
| 10 | KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Page No 148., I.No.19.64 of KPWD S.R 2015-16). | | | | | | | | |
| | | **Sqm** | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 58)* | | 1 | 58 | 5.00 | | 290.00 | | |
| | **1st A main from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 69)* | | | | | | | | |
| | *Ch: (0 - 17)* | | 1 | 17 | 9.40 | | 159.80 | | |
| | *Ch: (24 - 58)* | | 1 | 34 | 10.00 | | 340.00 | | |
| | | | 1 | 20 | 5.00 | | 100.00 | | |
| | **2nd main from Jellymission road** | | | | | | | | |
| | *Ch: (0 - 182)* | | | | | | | | |
| | **Ch: (0 - 78)** | | 1 | 78 | 6.00 | | 468.00 | | |
| | **Ch: (78 - 171)** | | 1 | 93 | 4.00 | | | | |
| | **Ch: (171 - 182)** | | 1 | 11 | 5.00 | | 55.00 | | |
| | **6th A main from yelhanka main road** | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |
| | **Ch: (0 - 143)** | | 1 | 143 | 2.25 | | 321.75 | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 1734.55 | 4.86 | 8429.91 |
| 11 | KSRRB M400-6.1. Construction of **granular sub-base** by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material **(Page No 154., I.No.20.4.2 of KPWD S.R 2015-16).** | | | | | | | | |
| | | Cum | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 58)* | | 1 | 58 | 5.00 | 0.150 | 43.50 | | |
| | **1st A main from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 69)* | | | | | | | | |
| | *Ch: (0 - 17)* | | 1 | 17 | 9.40 | 0.150 | 23.97 | | |
| | *Ch: (24 - 58)* | | 1 | 34 | 10.00 | 0.150 | 51.00 | | |
| | | | 1 | 20 | 5.00 | 0.150 | 15.00 | | |
| | **2nd main from Jellymission road** | | | | | | | | |
| | *Ch: (0 - 182)* | | | | | | | | |
| | **Ch: (0 - 78)** | | 1 | 78 | 6.00 | 0.150 | 70.20 | | |
| | **Ch: (78 - 171)** | | 1 | 93 | 4.00 | | | | |
| | **Ch: (171 - 182)** | | 1 | 11 | 5.00 | 0.150 | 8.25 | | |
| | **6th A main from yelhanka main road** | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |
| | **Ch: (0 - 143)** | | 1 | 143 | 2.25 | 0.150 | 48.26 | | |
| | | | | | | | **260.18** | **1622.16** | **422057.64** |
| 12 | KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No 157., I.No.20.18 of KPWD S.R 2015-16). | | | | | | | | |
| | | Cum | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 58)* | | 1 | 58 | 5.00 | 0.225 | 65.25 | | |
| | **1st A main from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 69)* | | | | | | | | |
| | *Ch: (0 - 17)* | | 1 | 17 | 9.40 | 0.225 | 35.96 | | |
| | *Ch: (24 - 58)* | | 1 | 34 | 10.00 | 0.225 | 76.50 | | |
| | | | 1 | 20 | 5.00 | 0.225 | 22.50 | | |
| | **2nd main from Jellymission road** | | | | | | | | |
| | *Ch: (0 - 182)* | | | | | | | | |
| | **Ch: (0 - 78)** | | 1 | 78 | 6.00 | 0.225 | 105.30 | | |
| | **Ch: (78 - 171)** | | 1 | 93 | 4.00 | | | | |
| | **Ch: (171 - 182)** | | 1 | 11 | 5.00 | 0.225 | 12.38 | | |
| | **6th A main from yelhanka main road** | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: (0 - 143) | | 1 | 143 | 2.25 | 0.225 | 72.39 | | |
| | | | | | | | 390.27 | 1713.96 | 668913.60 |
| 13 | KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 (Page No 160., I.No.21.6 of KPWD S.R 2015-16). | | | | | | | | |
| | | Sqm | | | | | | | |
| | Regency public school from 7th cross to end road | | | | | | | | |
| | Ch: (0 - 58) | | 1 | 58 | 5.00 | | 290.00 | | |
| | 1st A main from 7th cross to end road | | | | | | | | |
| | Ch: (0 - 69) | | | | | | | | |
| | Ch: (0 - 17) | | 1 | 17 | 9.40 | | 159.80 | | |
| | Ch: (24 - 58) | | 1 | 34 | 10.00 | | 340.00 | | |
| | | | 1 | 20 | 5.00 | | 100.00 | | |
| | 2nd main from Jellymission road | | | | | | | | |
| | Ch: (0 - 182) | | | | | | | | |
| | Ch: (0 - 78) | | 1 | 78 | 6.00 | | 468.00 | | |
| | Ch: (78 - 171) | | 1 | 93 | 4.00 | | | | |
| | Ch: (171 - 182) | | 1 | 11 | 5.00 | | 55.00 | | |
| | 6th A main from yelhanka main road | | | | | | | | |
| | Ch: (0 - 315) | | | | | | | | |
| | Ch: (0 - 143) | | 1 | 143 | 2.25 | | 321.75 | | |
| | | | | | | | 1734.55 | 32.40 | 56199.42 |
| 14 | KSRRB 500-2. **Cleaning the existing black topped** surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5**(Page No 160., I.No.21.2 of KPWD S.R 2015-16).** | | | | | | | | |
| | | Sqm | | | | | | | |
| | 2nd main from Jellymission road | | | | | | | | |
| | Ch: (0 - 182) | | | | | | | | |
| | Ch: (78 - 171) | | 1 | 93 | 4.00 | | 372.00 | | |
| | 4th A main from Yelhanka Main road | | | | | | | | |
| | Ch: (0 - 440) | | | | | | | | |
| | Ch: (0 - 163) | | 1 | 163 | 6.00 | | 978.00 | | |
| | Ch: (163 - 338) | | 1 | 175 | 5.20 | | 910.00 | | |
| | Ch: (338 - 440) | | 1 | 102 | 5.50 | | 561.00 | | |
| | 5th A main from 7th cross to yelhanka main road | | | | | | | | |
| | Ch: (0 - 315) | | | | | | | | |
| | Ch: (0 - 154) | | 1 | 154 | 5.00 | | 770.00 | | |
| | Ch: (154 - 315) | | 1 | 161 | 3.50 | | 563.50 | | |
| | 6th A main from yelhanka main road | | | | | | | | |
| | Ch: (0 - 315) | | | | | | | | |
| | Ch: (0 - 143) | | 1 | 143 | 2.25 | | 321.75 | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: (143 - 315) | | 1 | 172 | 4.70 | | 808.40 | | |
| | Barathi cement shop from MS palya road | | | | | | | | |
| | Ch: (0 - 225) | | | | | | | | |
| | Ch: (0 - 225) | | 1 | 225 | 3.50 | | 787.50 | | |
| | Laxmi automobile shop road to Ms palya road | | | | | | | | |
| | Ch: (0 - 132) | | | | | | | | |
| | Ch: (0 - 132) | | 1 | 132 | 3.50 | | 462.00 | | |
| | | | | | | | 6534.15 | 3.24 | 21170.65 |
| 15 | KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface ) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 **(Page No 160., I.No.21.7 of KPWD S.R 2015-16).** | | | | | | | | |
| | | Sqm | | | | | | | |
| | Regency public school from 7th cross to end road | | | | | | | | |
| | Ch: (0 - 58) | | 1 | 58 | 5.00 | | 290.00 | | |
| | 1st A main from 7th cross to end road | | | | | | | | |
| | Ch: (0 - 69) | | | | | | | | |
| | Ch: (0 - 17) | | 1 | 17 | 9.40 | | 159.80 | | |
| | Ch: (24 - 58) | | 1 | 34 | 10.00 | | 340.00 | | |
| | | | 1 | 20 | 5.00 | | 100.00 | | |
| | 2nd main from Jellymission road | | | | | | | | |
| | Ch: (0 - 182) | | | | | | | | |
| | Ch: (0 - 78) | | 1 | 78 | 6.00 | | 468.00 | | |
| | Ch: (78 - 171) | | 1 | 93 | 4.00 | | 372.00 | | |
| | Ch: (171 - 182) | | 1 | 11 | 5.00 | | 55.00 | | |
| | 4th A main from Yelhanka Main road | | | | | | | | |
| | Ch: (0 - 440) | | | | | | | | |
| | Ch: (0 - 163) | | 1 | 163 | 6.00 | | 978.00 | | |
| | Ch: (163 - 338) | | 1 | 175 | 5.20 | | 910.00 | | |
| | Ch: (338 - 440) | | 1 | 102 | 5.50 | | 561.00 | | |
| | 5th A main from 7th cross to yelhanka main road | | | | | | | | |
| | Ch: (0 - 315) | | | | | | | | |
| | Ch: (0 - 154) | | 1 | 154 | 5.00 | | 770.00 | | |
| | Ch: (154 - 315) | | 1 | 161 | 3.50 | | 563.50 | | |
| | 6th A main from yelhanka main road | | | | | | | | |
| | Ch: (0 - 315) | | | | | | | | |
| | Ch: (0 - 143) | | 1 | 143 | 4.50 | | 643.50 | | |
| | Ch: (143 - 315) | | 1 | 172 | 4.70 | | 808.40 | | |
| | Barathi cement shop from MS palya road | | | | | | | | |
| | Ch: (0 - 225) | | | | | | | | |
| | Ch: (0 - 225) | | 1 | 225 | 3.50 | | 787.50 | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | **Laxmi automobile shop road to Ms palya road** | | | | | | | | |
| | ***Ch: (0 - 132)*** | | | | | | | | |
| | **Ch: (0 - 132)** | | 1 | 132 | 3.50 | | 462.00 | | |
| | | | | | | | **8268.70** | **15.12** | **125022.74** |
| **16** | KSRRB M500- 15. Providing, laying **dense graded bituminous macadam** using 40/60 THP capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandeem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507 **(Page No 161., I.No.21.17.6 of KPWD S.R 2015-16).** | | | | | | | | |
| | | **Cum** | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | ***Ch: (0 - 58)*** | | 1 | 58 | 5.00 | 0.050 | 14.50 | | |
| | **1st A main from 7th cross to end road** | | | | | | | | |
| | ***Ch: (0 - 69)*** | | | | | | | | |
| | ***Ch: (0 - 17)*** | | 1 | 17 | 9.40 | 0.050 | 7.99 | | |
| | ***Ch: (24 - 58)*** | | 1 | 34 | 10.00 | 0.050 | 17.00 | | |
| | | | 1 | 20 | 5.00 | 0.050 | 5.00 | | |
| | **2nd main from Jellymission road** | | | | | | | | |
| | ***Ch: (0 - 182)*** | | | | | | | | |
| | **Ch: (0 - 78)** | | 1 | 78 | 6.00 | 0.050 | 23.40 | | |
| | **Ch: (171 - 182)** | | 1 | 11 | 5.00 | 0.050 | 2.75 | | |
| | **6th A main from yelhanka main road** | | | | | | | | |
| | ***Ch: (0 - 315)*** | | | | | | | | |
| | **Ch: (0 - 143)** | | 1 | 143 | 2.25 | 0.050 | 16.09 | | |
| | | **Total-1** | | | | | **86.73** | | |
| | **Profile correction** | | | | | | | | |
| | **2nd main from Jellymission road** | | | | | | | | |
| | ***Ch: (0 - 182)*** | | | | | | | | |
| | **Ch: (78 - 171)** | | 1 | 93 | 4.00 | | 372.00 | | |
| | **4th A main from Yelhanka Main road** | | | | | | | | |
| | ***Ch: (0 - 440)*** | | | | | | | | |
| | **Ch: (0 - 163)** | | 1 | 163 | 6.00 | | 978.00 | | |
| | **Ch: (163 - 338)** | | 1 | 175 | 5.20 | | 910.00 | | |
| | **Ch: (338 - 440)** | | 1 | 102 | 5.50 | | 561.00 | | |
| | **5th A main from 7th cross to yelhanka main road** | | | | | | | | |
| | ***Ch: (0 - 315)*** | | | | | | | | |
| | **Ch: (0 - 154)** | | 1 | 154 | 5.00 | | 770.00 | | |
| | **Ch: (154 - 315)** | | 1 | 161 | 3.50 | | 563.50 | | |
| | **6th A main from yelhanka main road** | | | | | | | | |
| | ***Ch: (0 - 315)*** | | | | | | | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: (0 - 143) | | 1 | 143 | 2.25 | | 321.75 | | |
| | Ch: (143 - 315) | | 1 | 172 | 4.70 | | 808.40 | | |
| | Barathi cement shop from MS palya road | | | | | | | | |
| | Ch: (0 - 225) | | | | | | | | |
| | Ch: (0 - 225) | | 1 | 225 | 3.50 | | 787.50 | | |
| | Laxmi automobile shop road to Ms palya road | | | | | | | | |
| | Ch: (0 - 132) | | | | | | | | |
| | Ch: (0 - 132) | | 1 | 132 | 3.50 | | 462.00 | | |
| | | | | | | | 6534.15 | | |
| | 11% of the total area | | 1 | 718.76 | | 0.05 | 35.94 | | |
| | | | | | | | 122.67 | 7927.20 | 972392.56 |
| 17 | KSRRB M500- 15. Providing, laying **bituminousConcrete** using **40/60 THP** capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandeem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 **(Page No 164., I.No.21.22.6 of KPWD S.R 2015-16).** | | | | | | | | |
| | | Cum | | | | | | | |
| | Regency public school from 7th cross to end road | | | | | | | | |
| | Ch: (0 - 58) | | 1 | 58 | 5.00 | 0.030 | 8.70 | | |
| | 1st A main from 7th cross to end road | | | | | | | | |
| | Ch: (0 - 69) | | | | | | | | |
| | Ch: (0 - 17) | | 1 | 17 | 9.40 | 0.030 | 4.79 | | |
| | Ch: (24 - 58) | | 1 | 34 | 10.00 | 0.030 | 10.20 | | |
| | | | 1 | 20 | 5.00 | 0.030 | 3.00 | | |
| | 2nd main from Jellymission road | | | | | | | | |
| | Ch: (0 - 182) | | | | | | | | |
| | Ch: (0 - 78) | | 1 | 78 | 6.00 | 0.030 | 14.04 | | |
| | Ch: (78 - 171) | | 1 | 93 | 4.00 | 0.040 | 14.88 | | |
| | Ch: (171 - 182) | | 1 | 11 | 5.00 | 0.030 | 1.65 | | |
| | 4th A main from Yelhanka Main road | | | | | | | | |
| | Ch: (0 - 440) | | | | | | | | |
| | Ch: (0 - 163) | | 1 | 163 | 6.00 | 0.040 | 39.12 | | |
| | Ch: (163 - 338) | | 1 | 175 | 5.20 | 0.040 | 36.40 | | |
| | Ch: (338 - 440) | | 1 | 102 | 5.50 | 0.040 | 22.44 | | |
| | 5th A main from 7th cross to yelhanka main road | | | | | | | | |
| | Ch: (0 - 315) | | | | | | | | |
| | Ch: (0 - 154) | | 1 | 154 | 5.00 | 0.040 | 30.80 | | |
| | Ch: (154 - 315) | | 1 | 161 | 3.50 | 0.040 | 22.54 | | |
| | 6th A main from yelhanka main road | | | | | | | | |
| | Ch: (0 - 315) | | | | | | | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: (0 - 143) | | 1 | 143 | 4.50 | 0.030 | 19.31 | | |
| | Ch: (143 - 315) | | 1 | 172 | 4.70 | 0.040 | 32.34 | | |
| | Barathi cement shop from MS palya road | | | | | | | | |
| | *Ch: (0 - 225)* | | | | | | | | |
| | Ch: (0 - 225) | | 1 | 225 | 3.50 | 0.040 | 31.50 | | |
| | Laxmi automobile shop road to Ms palya road | | | | | | | | |
| | *Ch: (0 - 132)* | | | | | | | | |
| | Ch: (0 - 132) | | 1 | 132 | 3.50 | 0.040 | 18.48 | | |
| | | | | | | | **310.19** | **9822.60** | **3046823.18** |
| | **ROAD FURNITURES** | | | | | | | | |
| 18 | KSRRB 800-1. Painting **two coats after filling the surface** with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8**(Page No 179, I.No.24.1 of KPWD S.R 2015-16).** | | | | | | | | |
| | | **Sqm** | | | | | | | |
| | **Kerb Painting** | | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 58)* | B/s | 2 | 58 | | 0.300 | 34.80 | | |
| | | | | | | | **34.80** | **61.56** | **2142.29** |
| 19 | KSRRB M800-13. Providing and laying of **hot applied thermoplastic compound** 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 **(Page No 181., I.No.24.15 of KPWD S.R 2015-16).** | | | | | | | | |
| | | **Sqm** | | | | | | | |
| | **Regency public school from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 58)* | | 2 | 58 | 0.10 | | 11.60 | | |
| | **1st A main from 7th cross to end road** | | | | | | | | |
| | *Ch: (0 - 69)* | | | | | | | | |
| | *Ch: (0 - 17)* | | 2 | 17 | 0.10 | | 3.40 | | |
| | *Ch: (24 - 58)* | | 2 | 34 | 0.10 | | 6.80 | | |
| | | | 2 | 20 | 0.10 | | 4.00 | | |
| | **2nd main from Jellymission road** | | | | | | | | |
| | *Ch: (0 - 182)* | | | | | | | | |
| | Ch: (0 - 78) | | 2 | 78 | 0.10 | | 15.60 | | |
| | Ch: (78 - 171) | | 2 | 93 | 0.10 | | 18.60 | | |
| | Ch: (171 - 182) | | 2 | 11 | 0.10 | | 2.20 | | |
| | **4th A main from Yelhanka Main road** | | | | | | | | |
| | *Ch: (0 - 440)* | | | | | | | | |
| | Ch: (0 - 163) | | 2 | 163 | 0.10 | | 32.60 | | |
| | Ch: (163 - 338) | | 2 | 175 | 0.10 | | 35.00 | | |
| | Ch: (338 - 440) | | 2 | 102 | 0.10 | | 20.40 | | |
| | **5th A main from 7th cross to yelhanka main road** | | | | | | | | |

| Sl. No. | Particulars | Unit / Rate | Nos | L in m | B in m | D in m | Quantity | Rate in Rs | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | *Ch: (0 - 315)* | | | | | | | | |
| | Ch: (0 - 154) | | 2 | 154 | 0.10 | | 30.80 | | |
| | Ch: (154 - 315) | | 2 | 161 | 0.10 | | 32.20 | | |
| | 6th A main from yelhanka main road | | | | | | | | |
| | *Ch: (0 - 315)* | | | | | | | | |
| | Ch: (0 - 143) | | 2 | 143 | 0.10 | | 28.60 | | |
| | Ch: (143 - 315) | | 2 | 172 | 0.10 | | 34.40 | | |
| | Barathi cement shop from MS palya road | | | | | | | | |
| | *Ch: (0 - 225)* | | | | | | | | |
| | Ch: (0 - 225) | | 2 | 225 | 0.10 | | 45.00 | | |
| | Laxmi automobile shop road to Ms palya road | | | | | | | | |
| | *Ch: (0 - 132)* | | | | | | | | |
| | Ch: (0 - 132) | | 2 | 132 | 0.10 | | 26.40 | | |
| | | | | | | | 347.60 | 473.04 | 164428.70 |
| | **Sub Total** | | | | | | | | 6984959.53 |
| 19 | Cost towards Design Report and Detailed Estimate,PMC/Third party | | | | | | | | 69849.60 |
| 20 | **Cost of Plastic@ 8% of bitumen qty for BC** | **Kg** | 1 | 3498.89 | | | | 27.00 | 94469.94 |
| 21 | Cost towards DLP | | | | | | | | 349247.98 |
| 22 | Miscllenous and other charges | | | | | | | | 1472.95 |
| | **Grand Total** | | | | | | | | 7500000.00 |

**Certificate:-**

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2015-16
4. That the provisions made in the estimate are necessary and quite essential.

**Consultant:**

**For M/s MECADEZ CORE TECHNOLOGIES PVT LTD**

**Asst. Engineer**
**Ward No-03**
**BBMP**

**AEE**
**Yelhanka Sub Division**
**BBMP**

**Executive Engineer**
**Yelhanka Division**
**BBMP**